

Ammonium chloride-¹⁵N

Cat. No.:	HY-Y1269S		
CAS No.:	39466-62-1		
Molecular Formula:	ClH ₄ ¹⁵ N		
Molecular Weight:	54.48		
Target:	Autophagy; Isotope-Labeled Compounds		
Pathway:	Autophagy; Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (611.78 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	18.3554 mL	91.7768 mL	183.5536 mL
	5 mM	3.6711 mL	18.3554 mL	36.7107 mL
	10 mM	1.8355 mL	9.1777 mL	18.3554 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (45.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (45.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (45.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Ammonium chloride-¹⁵N is the ¹⁵N labeled [Ammonium chloride](#) (HY-Y1269)[1].

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-223.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA